第39卷 第2期
1996年 5 月
昆 虫 学 报
ACTA ENTOMOLOGICA SINICA
Vol.39, No.2
May, 1996

中国纹蛾科新种记述
（鳞翅目）

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笔者在鉴定山西省五台山小蛾类标本中，发现纹蛾科 Cochylidae 四个新种，分别各属于双纹蛾属 *Aethes*，短纹蛾属 *Falseuncaria* 及窄纹蛾属 *Stenodes*，现记述如下。

模式种标本保存在中国科学院动物研究所昆虫标本馆。

新种记述

1 褐双纹蛾 *Aethes furvescens* 新种

前翅长 7.2 mm。触角深褐色。下唇须向前伸，外侧黄褐色，内侧黄白色，长为复眼直径的 2.5 倍。第二节鳞片膨大，第三节部分隐藏于第二节末端鳞片中。头顶白色。前翅白色，混杂黄色鳞片。基斑不明显，中带由褐色及黄褐色斑组成，中间断开。顶斑延伸到中脉，黄褐色。顶角、外缘及臀斑呈褐黄色、缘毛白色。后翅灰褐色，缘毛灰白色。

雄性外生殖器(图 1)：尾突细长而弯曲，背兜长、约与抱器背等长。抱器瓣基部很宽，端部细尖；抱器背直；抱器腹弯曲，骨化差。中凸长、基部宽、端部细、末端有 2 枚小刺突。阳茎稍弯，阳茎针 1 枚，细长，约为阳茎长的 1/2，阳茎针基部强烈骨化。

正模♂：山西省五台县，五台山林场，1991. Ⅵ. 15，郭森采。

本种与秦岭双纹蛾 *Aethes houdiensis* Ge 相似，但是后者雄性外生殖器的阳茎针短，中凸端部无刺突。

2 棕短纹蛾 *Falseuncaria brunnescens* 新种

前翅长 7.3mm。触角褐色。下唇须向前伸，内侧黄褐色，外侧黑褐色，长为复眼直径的 1.8 倍。前翅棕褐色，中带明显，从前缘中部斜向后缘中部；近外缘处棕褐色，基斑不明显。后翅灰褐色。

雄性外生殖器(图 2)：爪形突强烈骨化，细长，端部膨大呈头状。背兜宽大强烈骨化。抱器瓣约等宽，骨化强，抱器端齐，下端比较突出，抱器腹骨化强，抱器背中部凹陷。中凸呈马鞍形。阳茎中部宽，基部窄，先端细长而尖，阳茎针多枚成束。

正模♂：山西省五台县，五台山林场，1991. Ⅵ. 20，郭森采。

1992-08-26收稿，1993-02-14 收修改稿

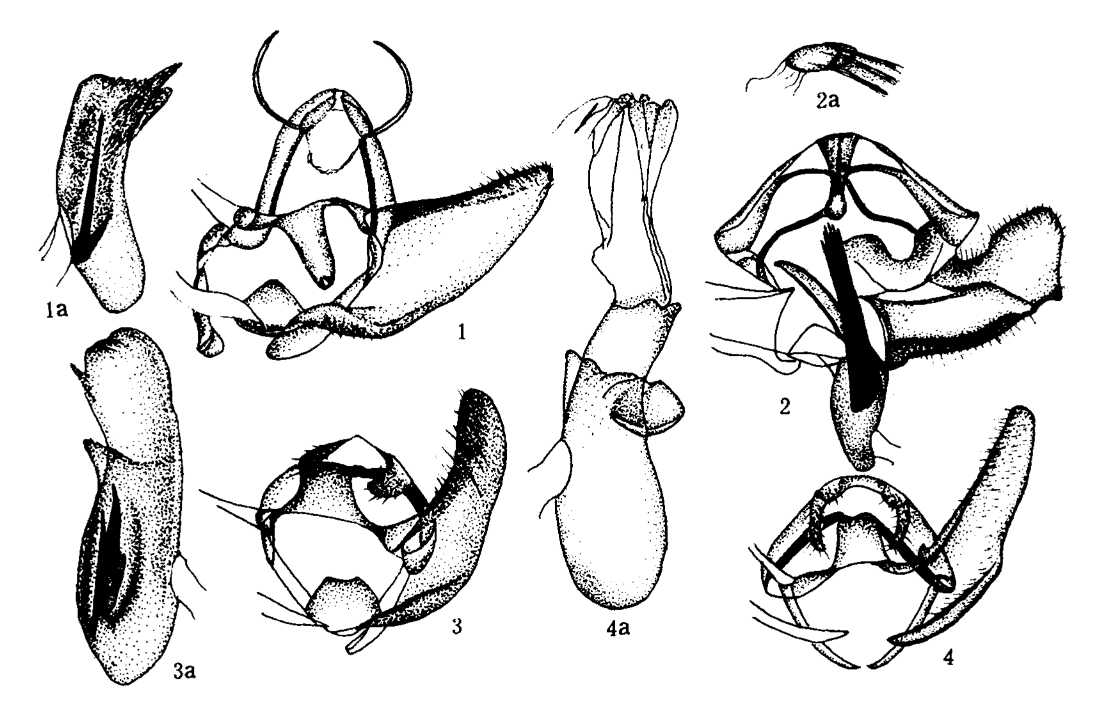


图1 ～4 雄性外生殖器

1. 褐双纹蛾 *Aethes furvescens* sp. nov. 1a. 阳茎;
2. 棕短纹蛾 *Falseuncaria brunnescens* sp. nov. 2a. 爪形突;
3. 单窄纹蛾 *Stenodes simplicis* sp. nov. 3a. 阳茎;
4. 双窄纹蛾 *Stenodes bipunctata* sp. nov. 4a. 阳茎

本种特征十分突出，与其他种极易区别。

3 单窄纹蛾 *Stenodes simplicis* 新种

前翅长 7.4 mm。触角及下唇须黄褐色。第三节细，褐色，长约为复眼直径的 2 倍。前翅黄褐色，基斑、中带、顶斑及臀斑呈棕褐色。后翅灰褐色。

雄性外生殖器 (图 3): 背兜宽、骨化差。尾突宽、短。抱器瓣弧形，基部宽，端部圆。抱器背宽，骨化差，抱器腹短于抱器背。中凸宽大，梯形，顶端齐。阳茎粗大，指状突明显，阳茎针 2 枚并排。

正模♂: 山西省五台县，五台山林场，1992。Ⅵ.20，郭森、白九维采。副模(♂)同正模。

本种与灰红窄纹蛾 *Stenodes conankinensis* Ge 的斑纹相近似。但是雄性外生殖器的抱器瓣形状不同外，后者阳茎与抱器瓣等长，而本种的阳茎粗大，其长约为抱器瓣长的1.5 倍。

4 双窄纹蛾 *Stenodes bipunctata* 新种

前翅长 6 mm。触角褐色。下唇须向前伸，长为复眼直径的 2 倍，外侧黄褐色，内

侧白色，头顶、胸背部白色。翅基片黄褐色。前翅银白色，基斑、中带及端纹褐色。基斑及中带在前缘色深。中带中部黄褐色。后缘中部有1枚黄斑。臀角黑褐色。后翅灰白色，缘毛白色。

雄性外生殖器(图4)：背兜宽，无爪形突。尾突细长、抱器瓣狭长，基部宽，端部狭，抱器背与抱器腹等长。中凸宽，梯形，端部中间稍凹。阳茎粗长、骨化差，端膜上有1枚微小的刺。

正模♂：山西省五台县，五台山林场，1992. Ⅵ.17，白九维、郭森采。

本种与双带窄纹蛾 *Stenodes hedemanniana* (Snellen)相似，但是雄性外生殖器的阳茎不同。后者阳茎针2枚。本种只有1枚微小的刺。

致谢 本文承蒙朱弘复和王子清教授审阅，特此致谢。

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NEW SPECIES OF COCHYLIDAE FROM CHINA (LEPIDOPTERA)

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Abstract In this paper four new species of Cochylidae are described.

All the type specimens are deposited in the Institute of Zoology, Academia Sinica.

1 *Aethes furvescens* sp. nov.

Forewing 7.2 mm. Antennae dark brown. Labial palpus porrect, with external sides yellow brown, insides yellow-white, 2.5 times as long as the diameter of eye. Second segment broadening terminad, third segment slender, partially concealed in scales of the second segment. Vertex white. Forewing ground colour white,

mixed yellow scales. Basal patch inconspicuous, pattern brown to brownish yellow consisting of median fascia which are divided in middle. Costal patch, apex, termen, and anal patch brownish-yellow, fringes white. Hindwing brownish-grey, fringes white-grey.

Male genitalia: Socii slender long, curved. Tegumen as long as valva. Valva broad basally, tapering apically. Costa straight, sacculus upwards curved, weakly sclerotized. Median process long of the transtilla, wided basally, slender terminally, with 2 thorns process in extremity. Aedeagus slightly curved, with 1 cornutus straight, about half length of an aedeagus, with developed base.

Holotype ♂ : Shanxi Province (Mt. Wutai. June 15, 1991, Guo sen).

This species is closely allied to *Aethes houdiensis* Ge in general appearance, but differ from the latter in the cornutus short of aedeagus, and median process of the transtilla without thorn process.

2 ***Falseuncaria brunnescens*** **sp. nov.**

Forewing 7.3mm. Antennae brown. Labial palpus porrect, with external sides black brown, insides yellow brown, with 1.8 times as long as diameter of eye. Forewing ground colour brownish-rufous, median fascia running obliquely from middle of costa to middle of dorsum. Termen nearly brownishrufous; basal patch inconspicuous. Hindwing brownish-grey.

Male genitalia: Uncus long, slender in distal half, strongly sclerotized, rounded apically, tegumen broad, strongly sclerotized, valva equal width, truncate in cucullus. Sacculus strongly sclerotized, costa notched medially. Median process of transtilla in saddle-shape. Aedeagus very curved. Narrow basally, broadening medially, cuspidal apically, with numerours cornuti arranged in a tie.

Holotype ♂ : Shanxi Province (Mt. Wutai, June 20, 1991, Guo sen).

This species with structures on genitalia is different from other related species.

3 ***Stenodes simplicis*** **sp. nov.**

Forewing 7.4mm. Antennae and labial palpus yellowishbrown. Third segment slender, brown, 2 times as long as diameter of eye. Forewing ground colour yellowish-brown, basal patch, median fascia, costal patch and tornal patch brownish-rufous. Hindwing brownish-grey.

Male genitalia: Tegumen broad, weakly sclerotized. Socii short, broad. Valva broad basally, round terminally. Costa broad, weakly sclerotized, sacculus shorter than costa. Median process of transtilla large. Scalariform, truncate apically. Aedeagus broad, large, with 2 cornuti parallel.

Holotype ♂ : Shanxi Province (Mt. Wutai. June 20, 1992, Guo sen).

Paratype 1 ♂ locality, date and collector same as holotype.

This species is closely allied to *Stenodes conankinensis* Ge in general appearance, but differ from the latter in the valva, besides, aedeagus as long as valva. This species is large in aedeagus, valva about half length of aedeagus.

4 *Stenodes bipunctata* sp. nov.

Forewing 6 mm. Antennae brown. Labial palpus porrect, with external sides yellowish brown, insides white, 2 times as long as diameter of eye. Vertex and thorax white. tegulae yellowish－white. Forewing ground colour argentate. Basal patch, median fascia and costal patch brown and near the costa dark brown. Middle of median fascia yellowishbrown, dorsum with a spot in median portion, yellowish brown. tornus dark brown. Hindwing greyish white, fringes white.

Male genitalia: Tegumen broad, uncus absent. socii long, slender, valva narrow long, broad basally, narrow terminally. Costa as long as sacculus. Median process of transtilla broad, scalariform, slightly concave apically. Aedeagus broad, long, weakly sclerotized, with 1 cornutus in vesica, as microtrichia.

Holotype ♂: Shanxi Province (Mt. Wutai. June. 17, 1992, Bai Jiuwei).

This species is very similar to *Stenodes hedemanniana* (Snellen) in appearance, but differs from the latter in the 2 cornuti of aedeagus.